

Практическая работа 1.

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```
Activity main: <?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="24dp"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/tvTitle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Что выберете?"
        android:textSize="18sp"/>

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_marginTop="12dp">

        <CheckBox
            android:id="@+id/cbCar"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Машина"/>

        <CheckBox
            android:id="@+id/cbBus"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Автобус"
            android:layout_marginStart="12dp"/>

        <CheckBox
            android:id="@+id/cbTractor"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Трактор"
            android:layout_marginStart="12dp"/>
    </LinearLayout>

    <Button
        android:id="@+id/btnChoose"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Показать выбор"
        android:layout_marginTop="12dp"/>

    <TextView
        android:id="@+id/tvResult"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="16sp"
        android:layout_marginTop="12dp"/>
</LinearLayout>

themes: <?xml version="1.0" encoding="utf-8"?>
<resources>
```

```
    <style name="AppTheme" parent="Theme.Material3.DayNight.NoActionBar"/>
</resources>/
```

MainActivity:

```
package com.example.imamdag
```

```
import android.os.Bundle
import android.widget.Button
import android.widget.CheckBox
import android.widget.TextView
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
```

```
class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val cbCar: CheckBox = findViewById(R.id.cbCar)
        val cbBus: CheckBox = findViewById(R.id.cbBus)
        val cbTractor: CheckBox = findViewById(R.id.cbTractor)
        val btn: Button = findViewById(R.id.btnChoose)
        val tv: TextView = findViewById(R.id.tvResult)

        cbCar.setOnCheckedChangeListener { _, isChecked ->
            if (isChecked) {
                Toast.makeText(this, "Машина отмечена",
Toast.LENGTH_SHORT).show()
            }
        }

        btn.setOnClickListener {
            val picked = mutableListOf<String>()
            if (cbCar.isChecked) picked += cbCar.text.toString()
            if (cbBus.isChecked) picked += cbBus.text.toString()
            if (cbTractor.isChecked) picked += cbTractor.text.toString()

            tv.text = if (picked.isEmpty()) "Ничего не выбрано"
            else "Вы выбрали: " + picked.joinToString(", ")
        }
    }
}
```

ANDROID MANIFEST:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest package="com.example.imamdag"
    xmlns:android="http://schemas.android.com/apk/res/android">

    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:label="CheckboxDemo"
        android:icon="@mipmap/ic_launcher"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:allowBackup="true"
        android:theme="@style/AppTheme">

        <activity
            android:name=".MainActivity"
```

```
        android:exported="true">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>

</application>
</manifest>
```

Пример работы:



